SEQUENCE LISTING

<110> Chen, Shiuan
      Zhou, Dujin

<120> DRUG SCREENING USING A PROLINE-RICH NUCLEAR RECEPTOR
      CO-REGULATORY PROTEIN/NUCLEAR RECEPTOR CO-EXPRESSION
      SYSTEM

<130> 2124-311

<140> To be assigned
<141> 2000-04-19

<150> U.S. 60/129,873
<151> 1999-04-19

<160> 9

<170> PatentIn Ver. 2.0

<210> 1
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Sense primer.

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gccgaattcg gggagggcag gggtgaagtg   30

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Antisense
      primer.

<400> 2
ggcgtcgacg gatcctcaga ctgtggcagg gaaaccctc   39

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<212> DNA
<213> Homo sapiens

<400> 3
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<213> Homo sapiens

<400> 4
Leu Lys Thr Leu Leu
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<210> 5
<211> 7
<212> PRT
<213> Homo sapiens

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Ser Asp Pro Pro Ser Pro Ser
  1               5


<210> 6
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<213> Homo sapiens

<220>
<221> MUTAGEN
<222> (3)
<223> This residue has been changed from a proline.

<220>
<221> MUTAGEN
<222> (6)
<223> This residue has been changed from a proline.

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Ser Asp Ala Pro Ser Ala Ser
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                                                          Met
                                                            1

act gtc gtc tcc gtc ccg cag cgg gag ccg ctc gtc ctg ggt ggc cgc      164
Thr Val Val Ser Val Pro Gln Arg Glu Pro Leu Val Leu Gly Gly Arg
              5               10              15

ctt gcg ccg ctt ggc ttt tcc tcc cga ggt tac ttt ggg gcc ctc ccg      212
Leu Ala Pro Leu Gly Phe Ser Ser Arg Gly Tyr Phe Gly Ala Leu Pro
          20              25              30

atg gtg acc acg gct ccg cct cct tta ccc cgg atc ccg gac ccc cgg      260
Met Val Thr Thr Ala Pro Pro Pro Leu Pro Arg Ile Pro Asp Pro Arg
      35              40              45

gca ctg ccc ccg acc ctc ttc ctc cct cat ttc cta ggg gga gat ggc      308
Ala Leu Pro Pro Thr Leu Phe Leu Pro His Phe Leu Gly Gly Asp Gly
  50              55              60              65
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ccg tgt ctg acc ccc cag cct cgc gct cca gca gct ctg ccc aac cgc     356
Pro Cys Leu Thr Pro Gln Pro Arg Ala Pro Ala Ala Leu Pro Asn Arg
                70                  75                  80

agc ctc gcc gtg gcg gga ggc act cct cgg gca gcg ccg aag aag cgg     404
Ser Leu Ala Val Ala Gly Gly Thr Pro Arg Ala Ala Pro Lys Lys Arg
            85                  90                  95

cga aag aag aag gtg cgg gcc agc ccc gca ggg cag ctg ccc agc cgc     452
Arg Lys Lys Lys Val Arg Ala Ser Pro Ala Gly Gln Leu Pro Ser Arg
        100                 105                 110

ttc cac cag tac cag cag cac cgg ccg agt ctg gag ggc ggc cgg agc     500
Phe His Gln Tyr Gln Gln His Arg Pro Ser Leu Glu Gly Gly Arg Ser
    115                 120                 125

ccc gcg acc ggc ccg agc gga gcg cag gag gtc ccg ggc ccg gcc gcc     548
Pro Ala Thr Gly Pro Ser Gly Ala Gln Glu Val Pro Gly Pro Ala Ala
130                 135                 140                 145

gcc ttg gcc ccg agt cct gca gcc gca gcc ggc acg gag gga gcc agc     596
Ala Leu Ala Pro Ser Pro Ala Ala Ala Ala Gly Thr Glu Gly Ala Ser
                150                 155                 160

ccc gac ctt gcc ccg ctg cgg ccc gcg gct ccc ggc caa acc ccc ctc     644
Pro Asp Leu Ala Pro Leu Arg Pro Ala Ala Pro Gly Gln Thr Pro Leu
                165                 170                 175

agg aaa gag gtt tta aaa tca aag atg gga aaa tcg gag aaa att gcc     692
Arg Lys Glu Val Leu Lys Ser Lys Met Gly Lys Ser Glu Lys Ile Ala
        180                 185                 190

ctt ccc cat ggc cag ctt gtt cat ggt ata cac ttg tat gag caa cca     740
Leu Pro His Gly Gln Leu Val His Gly Ile His Leu Tyr Glu Gln Pro
    195                 200                 205

aag ata aac aga cag aaa agc aaa tat aac ttg cca cta acc aag atc     788
Lys Ile Asn Arg Gln Lys Ser Lys Tyr Asn Leu Pro Leu Thr Lys Ile
210                 215                 220                 225

acc tct gca aaa aga aat gaa aac aac ttt tgg cag gat tct gtt tca     836
Thr Ser Ala Lys Arg Asn Glu Asn Asn Phe Trp Gln Asp Ser Val Ser
                230                 235                 240

tct gac aga att cag aag cag gaa aaa aag cct ttt aaa aat acc gag     884
Ser Asp Arg Ile Gln Lys Gln Glu Lys Lys Pro Phe Lys Asn Thr Glu
                245                 250                 255

aac att aaa aat tcg cat ttg aag aaa tca gca ttt cta act gaa gtg     932
Asn Ile Lys Asn Ser His Leu Lys Lys Ser Ala Phe Leu Thr Glu Val
        260                 265                 270

agc caa aag gaa aat tat gct ggg gca aag ttt agt gat cca cct tct     980
Ser Gln Lys Glu Asn Tyr Ala Gly Ala Lys Phe Ser Asp Pro Pro Ser
        275                 280                 285

cct agt gtt ctt cca aag cct cct agt cac tgg atg gga agc act gtt    1028
Pro Ser Val Leu Pro Lys Pro Pro Ser His Trp Met Gly Ser Thr Val
290                 295                 300                 305

gaa aat tcc aac caa aac agg gag ctg atg gca gta cac tta aaa acc    1076
Glu Asn Ser Asn Gln Asn Arg Glu Leu Met Ala Val His Leu Lys Thr
                310                 315                 320
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ctc ctc aaa gtt caa act tagatttcag atttcagtat gtgtgtaaaa          1124
Leu Leu Lys Val Gln Thr
            325

cataattttt cccatatccc tggactcttg agaaaattgg tacagaaatg gaaatttgcc 1184

ttgttgcaac atacaattgc aaaagatgag tttaaaaaat tacatacaaa cagcttgtat 1244

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agaggtatat tatagttttg ttatgaaagt atgtattttg ccctgcccac attgcaggtg 1364

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attcccattt ttgctaaact caatttctgg ttttggtata tatccattcc agcttaatgc 1664

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tgagccgcca tgcctggcca taatctacat tttcttacca ggagcagcat tgaggttttt 1904

gagcatagta cttgactact ctagaggctg agacgggagc atctcttgag cctgagaagt 1964

ggagattgca attgagctag gatcaggcca ctgcactcca gcctgggtaa cagacgctgt 2024

ctcaaaaaaa aggccaagag aaagtaaggg agacaga                          2061
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<210> 8
<211> 327
<212> PRT
<213> Homo sapiens

<400> 8

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            20                  25                  30

Pro Met Val Thr Thr Ala Pro Pro Pro Leu Pro Arg Ile Pro Asp Pro
            35                  40                  45

Arg Ala Leu Pro Pro Thr Leu Phe Leu Pro His Phe Leu Gly Gly Asp
     50                  55                  60

Gly Pro Cys Leu Thr Pro Gln Pro Arg Ala Pro Ala Ala Leu Pro Asn
 65                  70                  75                  80

Arg Ser Leu Ala Val Ala Gly Gly Thr Pro Arg Ala Ala Pro Lys Lys
                 85                  90                  95

Arg Arg Lys Lys Lys Val Arg Ala Ser Pro Ala Gly Gln Leu Pro Ser
            100                 105                 110
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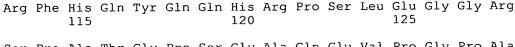
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Arg Phe His Gln Tyr Gln Gln His Arg Pro Ser Leu Glu Gly Gly Arg
        115             120             125

Ser Pro Ala Thr Gly Pro Ser Gly Ala Gln Glu Val Pro Gly Pro Ala
    130             135             140

Ala Ala Leu Ala Pro Ser Pro Ala Ala Ala Ala Gly Thr Glu Gly Ala
145             150             155                     160

Ser Pro Asp Leu Ala Pro Leu Arg Pro Ala Ala Pro Gly Gln Thr Pro
            165             170             175

Leu Arg Lys Glu Val Leu Lys Ser Lys Met Gly Lys Ser Glu Lys Ile
            180             185             190

Ala Leu Pro His Gly Gln Leu Val His Gly Ile His Leu Tyr Glu Gln
        195             200             205

Pro Lys Ile Asn Arg Gln Lys Ser Lys Tyr Asn Leu Pro Leu Thr Lys
    210             215             220

Ile Thr Ser Ala Lys Arg Asn Glu Asn Asn Phe Trp Gln Asp Ser Val
225             230             235             240

Ser Ser Asp Arg Ile Gln Lys Gln Glu Lys Lys Pro Phe Lys Asn Thr
            245             250             255

Glu Asn Ile Lys Asn Ser His Leu Lys Lys Ser Ala Phe Leu Thr Glu
            260             265             270

Val Ser Gln Lys Glu Asn Tyr Ala Gly Ala Lys Phe Ser Asp Pro Pro
        275             280             285

Ser Pro Ser Val Leu Pro Lys Pro Pro Ser His Trp Met Gly Ser Thr
    290             295             300

Val Glu Asn Ser Asn Gln Asn Arg Glu Leu Met Ala Val His Leu Lys
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Thr Leu Leu Lys Val Gln Thr
            325
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<210> 9
<211> 23
<212> PRT
<213> Homo sapiens

<400> 9
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 1           5               10              15

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